

ABSTRACT OF THE DISCLOSURE

An aircraft speech transmission arrangement includes a speech receiver having a microphone, an audio output device, and an interposed speech processing system. This arrangement enables spoken communication between flight attendants and pilots, and spoken announcements to passengers. A speech analysis and evaluation module incorporated into the speech receiver evaluates the speech quality of the speech signal received by the microphone, by comparing it with reference parameters. If the speech quality is unacceptable, a quality feedback information signal is provided to a signaling device that indicates the unacceptable speech quality to the person speaking (the speaker). In response thereto, the speaker can improve the volume and clarity of the speech, as well as the position and orientation of the speech receiver relative to the speaker's mouth. This real-time feedback of the received speech quality allows the speaker to optimize factors that influence the received speech quality while speaking.

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